

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To Be Assigned  
Applicant: Hubert Zangl et al.  
Filed: Herewith  
Title: METHOD AND DEVICE FOR DETERMINING PARAMETERS OF FLUCTUATING  
FLOW (AS AMENDED)  
Docket No.: FRZ-114US

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a and PTO/SB/08b form submitted herewith. A copy of the references listed on the PTO/SB/08a and PTO/SB/08b form, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

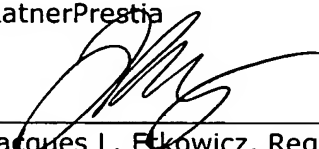
In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

References EP 0 108 876, DE 39 09 177, DE 40 25 952, DE 69 001 151, DE 44 42 711, DE 195 16 809, EP 0 760 467, DE 196 13 813, DE 197 21 255, DE 197 57 190, DE 199 16 979, DE 199 38 270, DE 197 54 093, DE 199 49 985, DE 100 08 093, DE 100 63 557, DE 695 30 863 are not in the English language, but an English abstract thereof is attached to the copy of the reference submitted herewith.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

RatnerPrestia

  
\_\_\_\_\_  
Jacques L. Eckowicz, Reg. No. 41,738  
Attorney for Applicants

JLE/kpc

Enclosures: PTO/SB/08a and PTO/SB/08b  
(21) References  
Search Report

Dated: August 9, 2006

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

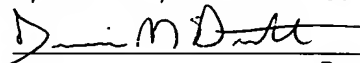
The Director is hereby authorized to charge or credit Deposit Account No. **18-0350** for any additional fees, or any underpayment or credit for overpayment in connection herewith..

**EXPRESS MAIL**

Mailing Label Number:  
Date of Deposit:

EV 614760382 US  
August 9, 2006

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Dennis McDermott

Dennis McDermott

10/588814

IAP11 Rec'd PCT/PTO 09 AUG 2006 PTO/SB/08a (07-05) (TMB 07/2005)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

## **Complete if Known**

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Hubert Zangl
Art Unit	
Examiner Name	
Attorney Docket No.	FRZ-114US

**SHEET 1 of 2**

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,568,874	02/04/1986	Kramer et al.	
		US-4,604,904	08/12/1986	Massen	
		US-5,722,290	03/03/1998	Kronberg	
		US-4,752,727	06/21/1988	Schneider	
		US-5,052,223	10/01/1991	Regnault et al.	
		US-6,345,537 B1	02/12/2002	Salamitou	
		US-2003/0020493 A1	01/30/2003	Haase et al.	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0 108 876 A1 (w/English Abstract)	05/23/1984	Massen		<input type="checkbox"/>
		GB 2 194 058 A	02/24/1988	Schneider et al.		<input type="checkbox"/>
		EP 0 326 266 A2	08/02/1989	Beck et al.		<input type="checkbox"/>
		DE 39 09 177 A1 (w/English Abstract)	01/25/1990	Loetsch et al.		<input type="checkbox"/>
		DE 40 25 952 A1 (w/English Abstract)	07/11/1991	Zobel et al.		<input type="checkbox"/>
		DE 69 001 151 T (w/English Abstract)	10/21/1993	Regnault et al.		<input type="checkbox"/>
		DE 44 42 711 A1 (w/English Abstract)	06/05/1996	Horn		<input type="checkbox"/>
		DE 195 16 809 C1 (w/English Abstract)	09/05/1996	Ploechinger		<input type="checkbox"/>
		EP 0 760 467 A1 (w/English Abstract)	03/05/1997	Poortmann et al.		<input type="checkbox"/>
		DE 196 13 813 A1 (w/English Abstract)	10/09/1997	Steinmetz		<input type="checkbox"/>
		DE 197 21 255 A1 (w/English Abstract)	12/11/1997	Woermcke		<input type="checkbox"/>
		DE 197 57 190 A1 (w/English Abstract)	06/24/1999	Byatt et al.		<input type="checkbox"/>
		DE 197 54 093 A1 (w/English Abstract)	07/15/1999	Virnich		<input type="checkbox"/>
		DE 199 16 979 A1 (w/English Abstract)	11/02/2000	Klemp		<input type="checkbox"/>
		DE 199 38 270 A1 (w/English Abstract)	02/15/2001	Byatt et al.		<input type="checkbox"/>
		WO 01/65212 A1	09/07/2001	Haase et al.		<input type="checkbox"/>
		DE 199 49 985 A1 (w/English Abstract)	05/10/2001	Winkens et al.		<input type="checkbox"/>
		DE 100 08 093 A1 (w/English Abstract)	09/06/2001	Buck et al.		<input type="checkbox"/>
		DE 100 63 557 A1 (w/English Abstract)	07/04/2002	Florin et al.		<input type="checkbox"/>
		DE 695 30 863 T2 (w/English Abstract)	01/22/2004	McEwan		<input type="checkbox"/>

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	To Be Assigned
	Filing Date	Herewith
	First Named Inventor	Hubert Zangl
	Art Unit	
	Examiner Name	
SHEET 2 of 2	Attorney Docket No.	FRZ-114US

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		NING-DE JIN, JUN WANG, LI-JUN XU; OPTIMIZATION OF A CONDUCTIVE PROBE WITH VERTICAL MULTI-ELECTRODE ARRAY FOR THE MEASUREMENT OF OIL-WATER TWO-PHASE FLOW; Proceedings of the Second Intl. Conference on Machine Learning and Cybernetics, Xi'an, 2-5 November 2003; IEEE 2003 pp. 899-905	<input type="checkbox"/>
		PCT International Search Report for PCT International Application No. PCT/AT2005/000044 mailed July 25, 2005	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*